

INTERNATIONAL SEARCH REPORT

International application No.
PCT/BR 03/00117-0

CLASSIFICATION OF SUBJECT MATTER

IPC⁷: C23C 14/06, 16/40

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C23C, C22C, B23B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, EPODOC, STN-Patdpa, Depatisnet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 1054075 A1 (RENAULT) 22 November 2000 (22.11.00) <i>claims.</i>	1
A	US 5111567 A (LEINO et al.) 12 May 1992 (12.05.92) <i>claims.</i>	1
A	US 6238807 B1 (YASUDA et al.) 29 May 2001 (29.05.01) <i>claims.</i>	1
A	US 4609401 A (SIMM et al.) 2 September 1986 (02.09.86) <i>claims.</i>	1

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

* Special categories of cited documents:

„A“ document defining the general state of the art which is not considered to be of particular relevance

„E“ earlier application or patent but published on or after the international filing date

„L“ document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

„O“ document referring to an oral disclosure, use, exhibition or other means

„P“ document published prior to the international filing date but later than the priority date claimed

„T“ later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

„X“ document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

„Y“ document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

„&“ document member of the same patent family

Date of the actual completion of the international search

10 December 2003 (10.12.2003)

Date of mailing of the international search report

19 February 2004 (19.02.2004)

Name and mailing address of the ISA/AT

Austrian Patent Office

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/BR 03/00117-0

Patent document cited in search report			Publication date	Patent family member(s)			Publication date
EP	A	1054075	2000-11-22	FR	A	2793812	2000-11-24
US	A	4609401	1986-09-02	MX	A	160009	1989-11-03
				IT	B	1196686	1988-11-25
				DK	A	486184	1984-10-11
				IN	A	160495	1987-07-18
				GB	A	2145735	1985-04-03
US	A	5111567	1992-05-12	FI	B	86566B	1992-05-29
				US	A	5235747	1993-08-17
				EP	A	0425464	1991-05-02
				DE	T	69016161T	1995-09-07
				DE	D	69016161D	1995-03-02
US	B	6238807	2001-05-29	US	B	6361581	2002-03-26
				US	A	2001001048	2001-05-10